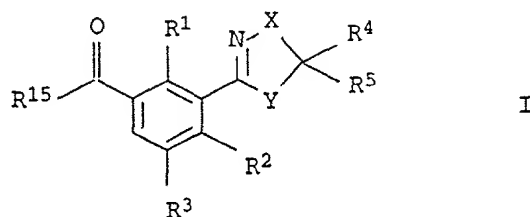


We claim

1. A 3-heterocyclyl-substituted benzoyl derivative of the formula I



where the variables have the following meanings:

$R^1, R^2$  are hydrogen, nitro, halogen, cyano,  $C_1$ - $C_6$ -alkyl,  $C_1$ - $C_6$ -haloalkyl,  $C_1$ - $C_6$ -alkoxy,  $C_1$ - $C_6$ -haloalkoxy,  $C_1$ - $C_6$ -alkylthio,  $C_1$ - $C_6$ -haloalkylthio,  $C_1$ - $C_6$ -alkylsulfinyl,  $C_1$ - $C_6$ -haloalkylsulfinyl,  $C_1$ - $C_6$ -alkylsulfonyl or  $C_1$ - $C_6$ -haloalkylsulfonyl;

$R^3$  is hydrogen, halogen or  $C_1$ - $C_6$ -alkyl;

$R^4, R^5$  are hydrogen, halogen, cyano, nitro,  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -alkoxy- $C_1$ - $C_4$ -alkyl, di( $C_1$ - $C_4$ -alkoxy)- $C_1$ - $C_4$ -alkyl, di( $C_1$ - $C_4$ -alkyl)-amino- $C_1$ - $C_4$ -alkyl, [2,2-di( $C_1$ - $C_4$ -alkyl)-1-hydrazino]- $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_6$ -alkyliminoxy- $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -alkoxycarbonyl- $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -alkylthio- $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -haloalkyl,  $C_1$ - $C_4$ -cyanoalkyl,  $C_3$ - $C_8$ -cycloalkyl,  $C_1$ - $C_4$ -alkoxy,  $C_1$ - $C_4$ -alkoxy- $C_2$ - $C_4$ -alkoxy,  $C_1$ - $C_4$ -haloalkoxy, hydroxyl,  $C_1$ - $C_4$ -alkylcarbonyloxy,  $C_1$ - $C_4$ -alkylthio,  $C_1$ - $C_4$ -haloalkylthio, di( $C_1$ - $C_4$ -alkyl)amino,  $COR^6$ , phenyl or benzyl, it being possible for the two last-mentioned substituents to be fully or partially halogenated and/or to have attached to them one to three of the following groups:  
nitro, cyano,  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -haloalkyl,  $C_1$ - $C_4$ -alkoxy or  $C_1$ - $C_4$ -haloalkoxy;

or

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or

10

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R7

20

X

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R<sup>9</sup>. R<sup>12</sup>

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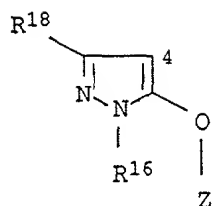
or

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II

where

$R^{16}$  is  $C_1$ - $C_6$ -alkyl;

$Z$  is H or  $SO_2R^{17}$ ;

$R^{17}$  is  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -haloalkyl, phenyl or phenyl which is partially or fully halogenated and/or has attached to it one to three of the following groups: nitro, cyano,  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -haloalkyl,  $C_1$ - $C_4$ -alkoxy or  $C_1$ - $C_4$ -haloalkoxy;

$R^{18}$  is hydrogen or  $C_1$ - $C_6$ -alkyl;

where X and Y are not simultaneously sulfur;

with the exception of

4-[2-chloro-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-ethyl-5-hydroxy-1H-pyrazole,

4-[2-chloro-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1,3-dimethyl-5-hydroxy-1H-pyrazole,

4-[2-chloro-3-(5-cyano-4,5-dihydroisoxazol-3-yl)-4-methylsulfonylbenzoyl]-1,3-dimethyl-5-hydroxy-1H-pyrazole,

4-[2-chloro-3-(4,5-dihydrothiazol-2-yl)-4-methylsulfonyl-benzoyl]-1,3-dimethyl-5-hydroxy-1H-pyrazole and

4-[2-chloro-3-(thiazoline-4,5-dion-2-yl)-4-methylsulfonyl-benzoyl]-1,3-dimethyl-5-hydroxy-1H-pyrazole;

or an agriculturally useful salt thereof.

2. A 3-heterocycl-yl-substituted benzoyl derivative of the formula I where the variables have the following meanings:

$R^1$ ,  $R^2$  are hydrogen, nitro, halogen, cyano,  $C_1$ - $C_6$ -alkyl,  $C_1$ - $C_6$ -haloalkyl,  $C_1$ - $C_6$ -alkoxy,  $C_1$ - $C_6$ -haloalkoxy,  $C_1$ - $C_6$ -alkylthio,  $C_1$ - $C_6$ -haloalkylthio,

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C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, C<sub>1</sub>-C<sub>6</sub>-haloalkylsulfinyl,  
C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl or C<sub>1</sub>-C<sub>6</sub>-haloalkylsulfonyl;

5 R<sup>3</sup> is hydrogen, halogen or C<sub>1</sub>-C<sub>6</sub>-alkyl;

10 R<sup>4</sup>, R<sup>5</sup> are hydrogen, halogen, cyano, nitro, C<sub>1</sub>-C<sub>4</sub>-alkyl,  
C<sub>1</sub>-C<sub>4</sub>-alkoxy-C<sub>1</sub>-C<sub>4</sub>-alkyl, di(C<sub>1</sub>-C<sub>4</sub>-alkoxy)-C<sub>1</sub>-C<sub>4</sub>-  
alkyl, di(C<sub>1</sub>-C<sub>4</sub>-alkyl)-amino-C<sub>1</sub>-C<sub>4</sub>-alkyl,  
[2,2-di(C<sub>1</sub>-C<sub>4</sub>-alkyl)-1-hydrazino]-C<sub>1</sub>-C<sub>4</sub>-alkyl,  
C<sub>1</sub>-C<sub>6</sub>-alkyliminoxy-C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxycarbonyl-  
C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-alkylthio-C<sub>1</sub>-C<sub>4</sub>-alkyl,  
C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-cyanoalkyl, C<sub>3</sub>-C<sub>8</sub>-cycloalkyl,  
C<sub>1</sub>-C<sub>4</sub>-alkoxy, C<sub>1</sub>-C<sub>4</sub>-alkoxy-C<sub>2</sub>-C<sub>4</sub>-alkoxy,  
15 C<sub>1</sub>-C<sub>4</sub>-haloalkoxy, C<sub>1</sub>-C<sub>4</sub>-alkylthio,  
C<sub>1</sub>-C<sub>4</sub>-haloalkylthio, di(C<sub>1</sub>-C<sub>4</sub>-alkyl)amino, COR<sup>6</sup>,  
phenyl or benzyl, it being possible for the two  
last-mentioned substituents to be fully or partially  
halogenated and/or to have attached to them one to  
20 three of the following groups:  
nitro, cyano, C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkyl,  
C<sub>1</sub>-C<sub>4</sub>-alkoxy or C<sub>1</sub>-C<sub>4</sub>-haloalkoxy;

or

25 R<sup>4</sup> and R<sup>5</sup> together form a C<sub>2</sub>-C<sub>6</sub>-alkanediyl chain which can be  
mono- to tetrasubstituted by C<sub>1</sub>-C<sub>4</sub>-alkyl and/or  
which can be interrupted by oxygen or by a  
nitrogen which is unsubstituted or substituted by  
30 C<sub>1</sub>-C<sub>4</sub>-alkyl;

or

35 R<sup>4</sup> and R<sup>5</sup> together with the corresponding carbon form a  
carbonyl or thiocarbonyl group;

R<sup>6</sup> is C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy,  
C<sub>1</sub>-C<sub>4</sub>-alkoxy-C<sub>2</sub>-C<sub>4</sub>-alkoxy, C<sub>1</sub>-C<sub>4</sub>-haloalkoxy,  
40 C<sub>3</sub>-C<sub>6</sub>-alkenyloxy, C<sub>3</sub>-C<sub>6</sub>-alkynyloxy or NR<sup>7</sup>R<sup>8</sup>;

R<sup>7</sup> is hydrogen or C<sub>1</sub>-C<sub>4</sub>-alkyl;

45 R<sup>8</sup> is C<sub>1</sub>-C<sub>4</sub>-alkyl;

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X is O, S,  $\text{NR}^9$ , CO or  $\text{CR}^{10}\text{R}^{11}$ ;

Y is O, S,  $\text{NR}^{12}$ , CO or  $\text{CR}^{13}\text{R}^{14}$ ;

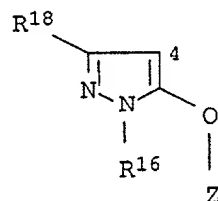
5  $\text{R}^9$ ,  $\text{R}^{12}$  are hydrogen or  $\text{C}_1\text{-C}_4\text{-alkyl}$ ;

10  $\text{R}^{10}$ ,  $\text{R}^{11}$ ,  $\text{R}^{13}$ ,  $\text{R}^{14}$  are hydrogen,  $\text{C}_1\text{-C}_4\text{-alkyl}$ ,  $\text{C}_1\text{-C}_4\text{-haloalkyl}$ ,  $\text{C}_1\text{-C}_4\text{-alkoxycarbonyl}$ ,  $\text{C}_1\text{-C}_4\text{-haloalkoxycarbonyl}$  or  $\text{CONR}^7\text{R}^8$ ;

or

15  $\text{R}^4$  and  $\text{R}^9$  or  $\text{R}^4$  and  $\text{R}^{10}$  or  $\text{R}^5$  and  $\text{R}^{12}$  or  $\text{R}^5$  and  $\text{R}^{13}$  together form a  $\text{C}_2\text{-C}_6\text{-alkanediyl}$  chain which can be mono- to tetrasubstituted by  $\text{C}_1\text{-C}_4\text{-alkyl}$  and/or interrupted by oxygen or by a nitrogen which is unsubstituted or substituted by  $\text{C}_1\text{-C}_4\text{-alkyl}$ ;

20  $\text{R}^{15}$  is a pyrazole of the formula II which is linked in the 4-position



II

30

where

$\text{R}^{16}$  is  $\text{C}_1\text{-C}_6\text{-alkyl}$ ;

35

Z is H or  $\text{SO}_2\text{R}^{17}$ ;

40

$\text{R}^{17}$  is  $\text{C}_1\text{-C}_4\text{-alkyl}$ ,  $\text{C}_1\text{-C}_4\text{-haloalkyl}$ , phenyl or phenyl which is partially or fully halogenated and/or has attached to it one to three of the following groups: nitro, cyano,  $\text{C}_1\text{-C}_4\text{-alkyl}$ ,  $\text{C}_1\text{-C}_4\text{-haloalkyl}$ ,  $\text{C}_1\text{-C}_4\text{-alkoxy}$  or  $\text{C}_1\text{-C}_4\text{-haloalkoxy}$ ;

45

$\text{R}^{18}$  is hydrogen or  $\text{C}_1\text{-C}_6\text{-alkyl}$ ;

where X and Y are not simultaneously oxygen or sulfur;

with the exception of

- 5 4-[2-chloro-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-  
benzoyl]-1-ethyl-5-hydroxy-1H-pyrazole,  
4-[2-chloro-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-  
benzoyl]-1,3-dimethyl-5-hydroxy-1H-pyrazole,  
4-[2-chloro-3-(5-cyano-4,5-dihydroisoxazol-3-yl)-4-methyl-  
sulfonylbenzoyl]-1,3-dimethyl-5-hydroxy-1H-pyrazole,  
10 4-[2-chloro-3-(4,5-dihydrothiazol-2-yl)-4-methylsulfonyl-  
benzoyl]-1,3-dimethyl-5-hydroxy-1H-pyrazole and  
4-[2-chloro-3-(thiazoline-4,5-dion-2-yl)-4-methylsulfonyl-  
benzoyl]-1,3-dimethyl-5-hydroxy-1H-pyrazole;

- 15 or an agriculturally useful salt thereof.

3. A 3-heterocyclyl-substituted benzoyl derivative of the  
formula I as claimed in claim 1 or 2, where R<sup>3</sup> is hydrogen.

- 20 4. A 3-heterocyclyl-substituted benzoyl derivative of the  
formula I as claimed in any of claims 1 to 3, where

- 25 R<sup>1</sup>, R<sup>2</sup> are nitro, halogen, cyano, C<sub>1</sub>-C<sub>6</sub>-alkyl,  
C<sub>1</sub>-C<sub>6</sub>-haloalkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>1</sub>-C<sub>6</sub>-haloalkoxy,  
C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-haloalkylthio,  
C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, C<sub>1</sub>-C<sub>6</sub>-haloalkylsulfinyl,  
C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl or C<sub>1</sub>-C<sub>6</sub>-haloalkylsulfonyl.

- 30 5. A 3-heterocyclyl-substituted benzoyl derivative of the  
formula I as claimed in any of claims 1 to 4, where Z is  
SO<sub>2</sub>R<sup>17</sup>.

- 35 6. A 3-heterocyclyl-substituted benzoyl derivative of the  
formula I as claimed in any of claims 1 to 4, where Z is  
hydrogen.

- 40 7. A 3-heterocyclyl-substituted benzoyl derivative of the  
formula I as claimed in any of claims 1 to 4 or 6, where X is  
oxygen and Y is CR<sup>13</sup>R<sup>14</sup>.

- 45 8. A 3-heterocyclyl-substituted benzoyl derivative of the  
formula I as claimed in any of claims 1 to 4 or 6 or 7, where

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- R<sup>4</sup> is halogen, nitro, C<sub>1</sub>-C<sub>4</sub>-alkyl,  
 C<sub>1</sub>-C<sub>4</sub>-alkoxy-C<sub>1</sub>-C<sub>4</sub>-alkyl,  
 C<sub>1</sub>-C<sub>4</sub>-alkoxycarbonyl-C<sub>1</sub>-C<sub>4</sub>-alkyl,  
 C<sub>1</sub>-C<sub>4</sub>-alkylthio-C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkyl,  
 5 C<sub>1</sub>-C<sub>4</sub>-cyanoalkyl, C<sub>3</sub>-C<sub>8</sub>-cycloalkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy,  
 C<sub>1</sub>-C<sub>4</sub>-alkoxy-C<sub>2</sub>-C<sub>4</sub>-alkoxy, C<sub>1</sub>-C<sub>4</sub>-haloalkoxy,  
 C<sub>1</sub>-C<sub>4</sub>-alkylthio, C<sub>1</sub>-C<sub>4</sub>-haloalkylthio,  
 di(C<sub>1</sub>-C<sub>4</sub>-alkyl)amino, COR<sup>6</sup>, phenyl or benzyl, it  
 10 being possible for the two last-mentioned  
 substituents to be partially or fully halogenated  
 and/or to have attached to them one to three of  
 the following groups:  
 nitro, cyano, C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkyl,  
 C<sub>1</sub>-C<sub>4</sub>-alkoxy or C<sub>1</sub>-C<sub>4</sub>-haloalkoxy;  
 15
- R<sup>5</sup> is hydrogen or C<sub>1</sub>-C<sub>4</sub>-alkyl;  
 or  
 20 R<sup>4</sup> and R<sup>5</sup> together form a C<sub>2</sub>-C<sub>6</sub>-alkanediyl chain which can be  
 mono- to tetrasubstituted by C<sub>1</sub>-C<sub>4</sub>-alkyl and/or  
 which can be interrupted by oxygen or by a  
 nitrogen which is unsubstituted or substituted by  
 25 C<sub>1</sub>-C<sub>4</sub>-alkyl;  
 or  
 30 R<sup>5</sup> and R<sup>13</sup> together form a C<sub>2</sub>-C<sub>6</sub>-alkanediyl chain which can be  
 mono- to tetrasubstituted by C<sub>1</sub>-C<sub>4</sub>-alkyl and/or  
 which can be interrupted by oxygen or by a  
 nitrogen which is unsubstituted or substituted by  
 C<sub>1</sub>-C<sub>4</sub>-alkyl.
- 35 9. A 3-heterocyclyl-substituted benzoyl derivative of the  
 formula I as claimed in any of claims 1 to 4 or 6 to 8, where
- R<sup>4</sup> is C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-haloalkyl,  
 40 C<sub>1</sub>-C<sub>4</sub>-alkoxycarbonyl or CONR<sup>7</sup>R<sup>8</sup>;  
 R<sup>5</sup> is hydrogen or C<sub>1</sub>-C<sub>4</sub>-alkyl;  
 or  
 45

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5         $R^4$  and  $R^5$  together form a  $C_2-C_6$ -alkanediyl chain which can be mono- to tetrasubstituted by  $C_1-C_4$ -alkyl and/or which can be interrupted by oxygen or by a nitrogen which is unsubstituted or substituted by  $C_1-C_4$ -alkyl;

or

10         $R^5$  and  $R^{13}$  together form a  $C_2-C_6$ -alkanediyl chain which can be mono- to tetrasubstituted by  $C_1-C_4$ -alkyl and/or which can be interrupted by oxygen or by a nitrogen which is unsubstituted or substituted by  $C_1-C_4$ -alkyl.

15        10. A 3-heterocyclyl-substituted benzoyl derivative of the formula I as claimed in any of claims 1 to 4 or 6 or 7, where  $R^4$  and  $R^5$  are hydrogen.

20        11. A 3-heterocyclyl-substituted benzoyl derivative of the formula I as claimed in any of claims 1 to 4 or 6 or 7 or 10, where  $R^{18}$  is hydrogen.

25        12. 4-[2-Chloro-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonyl-benzoyl]-1-methyl-5-hydroxy-1H-pyrazole.

30        13. An agriculturally useful salt of 4-[2-chloro-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonylbenzoyl]-1-methyl-5-hydroxy-1H-pyrazole.

14. A 3-heterocyclyl-substituted benzoyl derivative of the formula I as claimed in any of claims 1 to 4 or 6, where

35        X is S,  $NR^9$ , CO or  $CR^{10}R^{11}$ ;

or

40        Y is O, S,  $NR^{12}$  or CO.

15. A 3-heterocyclyl-substituted benzoyl derivative of the formula I as claimed in any of claims 1 to 4 or 6 or 14, where  $R^{18}$  is hydrogen.

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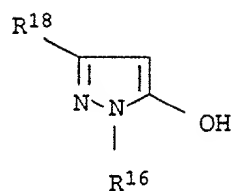


16. A 3-heterocyclyl-substituted benzoyl derivative of the formula I as claimed in any of claims 1 to 4 or 6 or 14, where

- 5         $R^4$         is halogen, cyano, nitro,  $C_1$ - $C_4$ -alkyl,  
                   $C_1$ - $C_4$ -alkoxy- $C_1$ - $C_4$ -alkyl,  
                   $C_1$ - $C_4$ -alkoxycarbonyl- $C_1$ - $C_4$ -alkyl,  
                   $C_1$ - $C_4$ -alkylthio- $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -haloalkyl,  
 10                 $C_1$ - $C_4$ -cyanoalkyl,  $C_3$ - $C_8$ -cycloalkyl,  $C_1$ - $C_4$ -alkoxy,  
                   $C_1$ - $C_4$ -alkoxy- $C_2$ - $C_4$ -alkoxy,  $C_1$ - $C_4$ -haloalkoxy,  
                   $C_1$ - $C_4$ -alkylthio,  $C_1$ - $C_4$ -haloalkylthio,  
                  di( $C_1$ - $C_4$ -alkyl)amino,  $COR^6$ , phenyl or benzyl, it  
                  being possible for the two last-mentioned  
 15                substituents to be partially or fully halogenated  
                  and/or to have attached to them one to three of  
                  the following groups:  
                  nitro, cyano,  $C_1$ - $C_4$ -alkyl,  $C_1$ - $C_4$ -haloalkyl,  
                   $C_1$ - $C_4$ -alkoxy or  $C_1$ - $C_4$ -haloalkoxy;
- 20         $R^5$         is hydrogen or  $C_1$ - $C_4$ -alkyl;
- or
- 25         $R^4$  and  $R^5$  together form a  $C_2$ - $C_6$ -alkanediyl chain which can be  
                  mono- to tetrasubstituted by  $C_1$ - $C_4$ -alkyl and/or  
                  which can be interrupted by oxygen or by a  
                  nitrogen which is unsubstituted or substituted by  
                   $C_1$ - $C_4$ -alkyl;
- 30                or
- 35         $R^4$  and  $R^9$  or  $R^4$  and  $R^{10}$  or  $R^5$  and  $R^{12}$  or  $R^5$  and  $R^{13}$  together  
                  form a  $C_2$ - $C_6$ -alkanediyl chain which can be mono- to  
                  tetrasubstituted by  $C_1$ - $C_4$ -alkyl and/or which can be  
                  interrupted by oxygen or by a nitrogen which is  
                  unsubstituted or substituted by  $C_1$ - $C_4$ -alkyl;
- 40         $R^{18}$         is  $C_1$ - $C_6$ -alkyl.

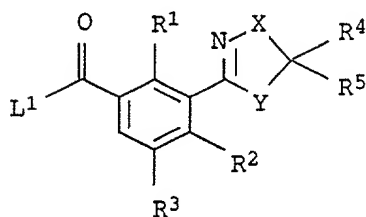
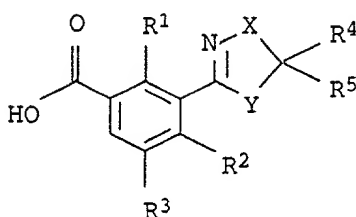
17. A process for the preparation of 3-heterocyclyl-substituted  
 benzoyl derivatives of the formula I as claimed in claim 1,  
 which comprises acylating the pyrazole of the formula II  
 45        where  $Z = H$ , where the variables  $R^{16}$  and  $R^{18}$  have the meanings  
                  given under claim 1,

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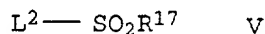


II (where Z = H)

with an activated carboxylic acid  $\text{III}\alpha$  or with a carboxylic acid  $\text{III}\beta$ ,

 $\text{III}\alpha$  $\text{III}\beta$ 

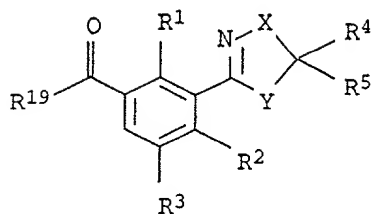
where the variables  $\text{R}^1$  to  $\text{R}^5$ , X and Y have the meanings given under claim 1 and  $\text{L}^1$  is a nucleophilically displaceable leaving group, subjecting the acylation product to a rearrangement reaction in the presence or absence of a catalyst to give the compounds I (where Z = H) and, if desired, to prepare 3-heterocyclyl-substituted benzoyl derivatives of the formula I where Z =  $\text{SO}_2\text{R}^{17}$ , reacting the product with a compound of the formula V,



where  $\text{R}^{17}$  has the meaning given under claim 1 and  $\text{L}^2$  is a nucleophilically displaceable leaving group.

18. A 3-heterocyclyl-substituted benzoic acid derivative of the formula III,

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III

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where  $R^{19}$  is hydroxyl or a radical which can be removed by hydrolysis and variables  $R^1$  to  $R^5$ , X and Y have the meanings given under the claims 1 to 16, with the exception of methyl 2-chloro-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonylbenzoate, methyl 2-chloro-3-(4,5-dihydrooxazol-2-yl)-4-methylsulfonylbenzoate and methyl 2,4-dichloro-3-(5-methylcarbonyloxy-4,5-dihydroisoxazol-3-yl)benzoate.

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19. A 3-heterocyclyl-substituted benzoic acid derivative of the formula III as claimed in claim 18 where the variables  $R^1$  to  $R^5$ , X and Y have the meanings given under claims 2 to 16.

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20. A 3-heterocyclyl-substituted benzoic acid derivative of the formula III as claimed in either of claims 18 or 19, where

$R^{19}$  is halogen, hydroxyl or  $C_1$ - $C_6$ -alkoxy.

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21. A composition comprising a herbicidally active amount of at least one 3-heterocyclyl-substituted benzoyl derivative of the formula I or of an agriculturally useful salt of I as claimed in any of claims 1 to 16, and auxiliaries conventionally used for the formulation of crop protection products.

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22. A process for the preparation of a composition as claimed in claim 21, which comprises mixing a herbicidally active amount of at least one 3-heterocyclyl-substituted benzoyl derivative of the formula I or of an agriculturally useful salt of I as claimed in any of claims 1 to 16 and auxiliaries conventionally used for the formulation of crop protection products.

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23. A method of controlling undesirable vegetation, which comprises allowing a herbicidally active amount of at least one 3-heterocyclyl-substituted benzoyl derivative of the

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formula I or of an agriculturally useful salt of I as claimed in any of claims 1 to 16 to act on plants, their environment and/or on seeds.

- 5 24. The use of a 3-heterocyclyl-substituted benzoyl derivative of the formula I or an agriculturally useful salt thereof as claimed in any of claims 1 to 16 as herbicide.

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